

## PROJECT DESCRIPTION

## GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 58 (SALEM AVE.) AND BROADFORDING ROAD IN WASHINGTON COUNTY, MARYLAND. MD 58 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

## INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FIVE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 58 APPROACHES OPERATING CONCURRENTLY AND THE BROADFORDING ROAD/DRIVE ENT/EXIT APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE LEFT-TURN PHASING WILL BE PROVIDED FOR THE WESTBOUND MD 58 APPROACH.

A RIGHT TURN OVERLAP EXISTS FOR THE NORTHBOUND BROADFORDING ROAD APPROACH.

## CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

## MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING OPERATION)

## PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

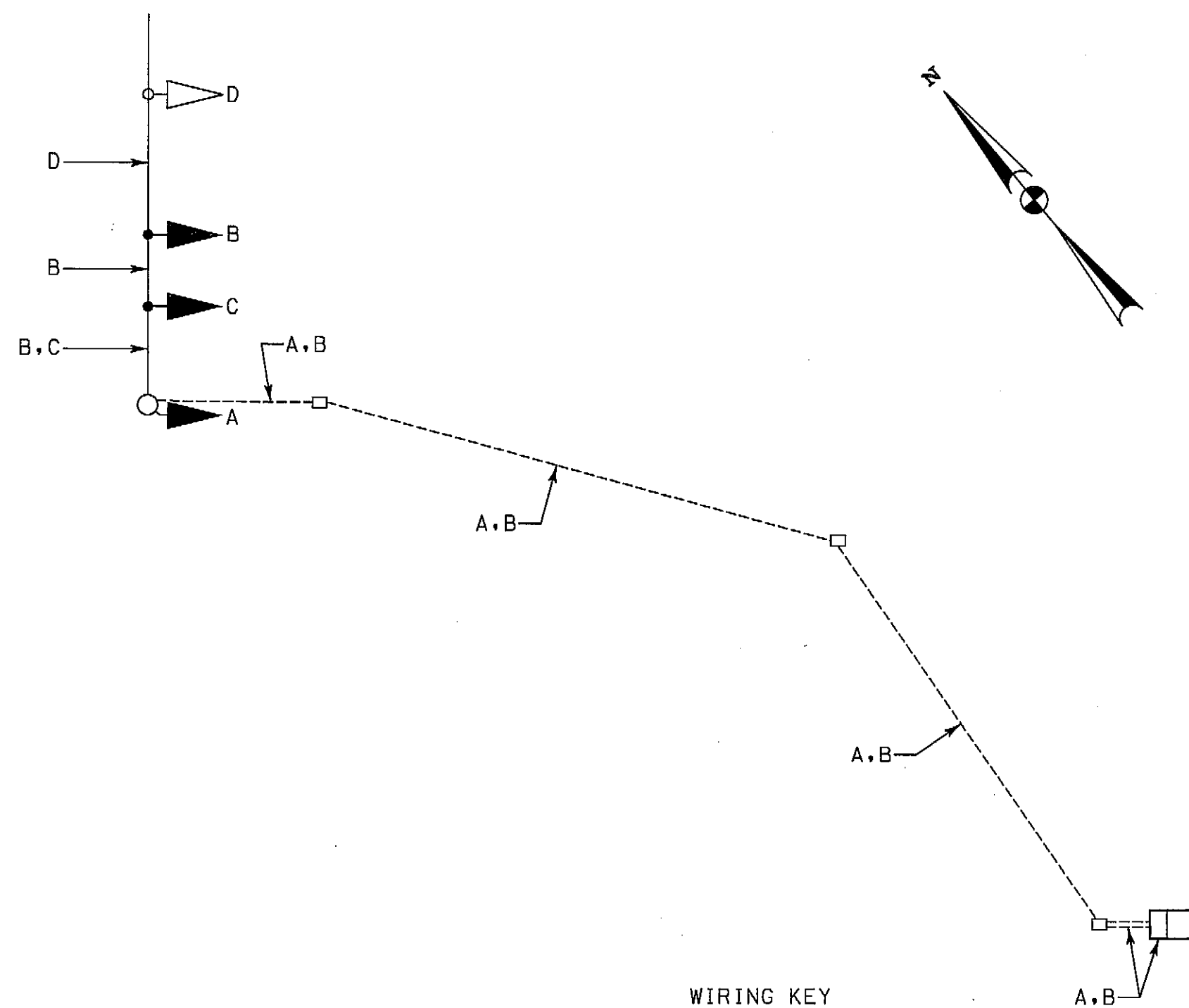
MR. KC KEITH  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 729-8444

MR. DAVE FELKER  
DISTRICT UTILITY ENGINEER  
PHONE: (301) 729-8420

MR. DWAYNE BITTNER  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 729-8457

CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

## WIRING DIAGRAM



## WIRING KEY

- A } 7-CONDUCTOR ELECTRICAL  
CABLE (NO. 14 A.W.G.)
- B } PROPOSED 5-CONDUCTOR ELECTRICAL  
CABLE (NO. 14 A.W.G.)
- C } PROPOSED 5-CONDUCTOR ELECTRICAL  
CABLE (NO. 14 A.W.G.)
- D } EXISTING 5-CONDUCTOR ELECTRICAL  
CABLE (NO. 14 A.W.G.)

**WR&A**

WHITMAN, REQUARDT  
& ASSOCIATES, LLP  
801 South Caroline Street, Baltimore, Maryland 21231

## EQUIPMENT LIST "A"

## A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	16 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF (POLE MOUNT) :
		- 2 EACH R3-5(L) (30 IN. x 36 IN.) - MAST ARM MOUNT

## EQUIPMENT LIST "B"

## B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	12 EACH	12 INCH LED SIGNAL HEAD SECTION
8027	1 EACH	REMOVE & DISPOSE MATERIAL & EQUIPMENT (PER ASSIGNMENT)
8046	21 S.F.	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8061	25 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8062	830 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

## EQUIPMENT LIST "C"

## C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

## PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 2 + 5	R	R	←G←	←G←	←G←	G	G	R	←G→	R	R
2 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 2 + 6										
PHASE 2 + 6	G	G	←R←	←R←	←R←	G	G	R	R	R	R
2 + 6 CHANGE	Y	Y	←R←	←R←	←R←	Y	Y	R	R	R	R
PHASE 4 AND 8	R	R	←R←	←R←	←R←	R	R	G	G	G	G
4 AND 8 CHANGE	R	R	←R←	←R←	←R←	R	R	Y	Y	Y	Y
FLASHING OPERATION	FLY	FLY	←FLR←	←FLR←	←FLR←	FLY	FLY	FLR	FLR	FLR	FLR

TOD NO: XX524-05  
SHA NO: WA250851  
MD 58 @ Broadfording Road

**SHA**

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 58 (Salem Ave) and Broadfording Road  
Hagerstown, Maryland

## GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 7/22/2013 CONTRACT NO. XX5245185

DESIGNED BY S. Bloss COUNTY Washington  
DRAWN BY S. Bloss LOGMILE 21005802.93  
CHECKED BY N. Leary TMS NO. L991  
F.A.P. NO.  TOD NO.

TS NO. 4737A DRAWING **TSP-2** OF 2 SHEET NO. 2 OF 2

PLOTTED: July 25, 2013  
FILE: N:\31669-260\CADD\pSG-N002\_md58-1\_mod.dgn